

Sn 10/645,248

CLAIMS

- 5 1. A hard surface treatment composition which comprising:  
an alcohol constituent selected from the group consisting of methanol, ethanol, n-propanol, isopropanol, n-butanol, benzyl alcohol, and mixtures thereof which is present in an amount of from about 40 and 70 weight percent;  
an effective amount of a pH adjusting agent such that the pH range of the  
10 composition is from about 7.0 to about 13.0;  
optionally, one or more constituents selected from the group consisting of antimicrobials, corrosion inhibitors, perfumes, perfume carriers, deodorants, organic solvents, surfactants, propellants, pH buffers, organic acids, fungicides, film-forming polymers, and anti-oxidants;  
15 and water, to 100 weight percent  
characterized in that the hard surface treatment composition exhibits antimicrobial efficacy against one or more of: *Salmonella choleraesuis*, *Staphylococcus aureus*, *Escherichia coli*, *Pseudomonas aeruginosa*, *Enterococcus hirae*, *Aspergillus niger*, *T. mentagrophytes*, Hepatitis A, Poliovirus Type 1, Coxsachievirus, Rotavirus, or Rhinovirus.  
20
2. A hard surface treatment compositions according to claim 1 which necessarily comprises a propellant.
3. A hard surface treatment composition according to claim 1 which necessarily  
25 comprises an antimicrobial constituent.
4. A hard surface treatment composition according to claim 2 which necessarily comprises an antimicrobial constituent.
- 30 5. A hard surface treatment composition according to claim 3 wherein the antimicrobial constituent is quaternary ammonium compound having antimicrobial properties or salt form thereof.
- 35 6. A hard surface treatment composition according to claim 5 wherein the antimicrobial constituent is a non-chloride ion containing quaternary ammonium antimicrobial having antimicrobial properties.

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6. A hard surface treatment composition according to claim 4 wherein the antimicrobial constituent is quaternary ammonium compound having antimicrobial properties or salt form thereof.
- 5 8  
7. A hard surface treatment composition according to claim 1 wherein the antimicrobial constituent is a non-chloride ion containing quaternary ammonium antimicrobial having antimicrobial properties.
- 10 9  
8. A process for providing a disinfecting treatment of hard surfaces wherein the presence of one or more undesired microorganisms selected from, is suspected, which process contemplates the step of applying an antimicrobially effective amount of a hard surface treatment composition according to claim 1 to the hard surfaces where the presence of undesired microorganisms selected from one or more of: *Salmonella choleraesuis*,  
15 *Staphylococcus aureus*, *Escherichia coli*, *Pseudomonas aeruginosa*, *Enterococcus hirae*, *Aspergillus niger*, *T. mentagrophytes*, Hepatitis A, Poliovirus Type 1, Coxsachievirus, Rotavirus, or Rhinovirus is suspected.
- 10 10  
9. A process for providing a disinfecting treatment of hard surfaces wherein the presence of one or more undesired microorganisms selected from, is suspected, which process contemplates the step of applying an antimicrobially effective amount of a hard surface treatment composition according to claim 2 to the hard surfaces where the presence of undesired microorganisms selected from one or more of: *Salmonella choleraesuis*,  
20 *Staphylococcus aureus*, *Escherichia coli*, *Pseudomonas aeruginosa*, *Enterococcus hirae*,  
25 *Aspergillus niger*, *T. mentagrophytes*, Hepatitis A, Poliovirus Type 1, Coxsachievirus, Rotavirus, or Rhinovirus is suspected.
- 11  
10. A method for treating ambient air which method includes the step of dispensing an effective amount of a hard surface composition according to claim 1 in an amount effective to  
30 exhibit antimicrobial efficacy against gram positive type pathogenic bacteria and/or gram negative type bacteria.
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11. A method for treating ambient air which method includes the step of dispensing an effective amount of a hard surface composition according to claim 2 in an amount effective to  
35 exhibit antimicrobial efficacy against gram positive type pathogenic bacteria and/or gram negative type bacteria.

- <sup>13</sup>  
~~12.~~ The composition according to claim 1 wherein the amount of alcohol is from about 50 to about 70 weight percent.
- 5 <sup>14</sup>  
~~13.~~ The composition according to claim <sup>13</sup>~~12~~ wherein the amount of alcohol is from about 50 to about 60 weight percent.
- <sup>15</sup>  
~~14.~~ The composition according to claim 1 wherein the pH of the composition is from about 9 to about 12.
- 10 <sup>16</sup>  
~~15.~~ The composition according to claim 1 the alcohol is selected from ethanol, isopropanol, and mixtures thereof.
- <sup>17</sup>  
15 ~~16.~~ The composition according to claim <sup>16</sup>~~15~~ wherein the alcohol is ethanol.
- <sup>18</sup>  
~~17.~~ The composition according to claim 2 wherein the amount of alcohol is from about 50 to about 70 weight percent.
- <sup>19</sup>  
20 ~~18.~~ The composition according to claim <sup>18</sup>~~17~~ wherein the amount of alcohol is from about 50 to about 60 weight percent.
- <sup>20</sup>  
~~19.~~ The composition according to claim 2 wherein the pH of the composition is from about 9 to about 12.
- 25 <sup>21</sup>  
~~20.~~ The composition according to claim 2 the alcohol is selected from ethanol, isopropanol, and mixtures thereof.
- <sup>22</sup>  
~~21.~~ The composition according to claim <sup>21</sup>~~20~~ wherein the alcohol is ethanol.